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SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE
LENINGRAD MEDICAL INSTITUTE
INSTITUT ACADEMICIAN PAVLOV

"Regulation of Carbohydrate Metabolism in Hypertension," N. A. Tolubeyeva, L. A. Pavlova, Leningrad Med Inst ineni Academician Pavlov

"Klinicheskaya Meditsina" Vol 29, No 10/11, 1945, pp 56-63

The blood sugar was determined after 12-14 hours of hunger, then 100 g cane sugar and 200 cc water were given to hypertensive patients and the blood sugar was followed for 3 hours. From the initial value of 80-90 mg %, the blood sugar rose within 0.5 hour to 140 mg %, then dropped slowly over 2 hours to the initial level, and then to a mildly hypoglycemic level in healthy subjects. In hypertensive cases (various degrees of arteriosclerosis) some 2/3 of patients showed definite deviations from normal. There was a tendency toward a prolonged and pronounced hypoglycemia, although no definite relationship between the lack of sugar regulation and clinical symptoms could be established. This lack of regulation is connected with disturbed neurohormonal activity.

"Effect of Tannin on Anaerobic Infection: I, Treatment of Experimental Gas Gangrene with Aqueous Tannin Solutions," V. N. Kosmodavianskiy, Chair of Microbiol, Leningrad Med Inst ineni Academician Pavlov

- 1 -

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"Zhur Mikrobiol, Epidemiol i Immunobiol" No 10/11,
1941, pp 49-50

Preliminary report given.

"Effect of Tannin on Anaerobic Infection: II, Effect
of Tannin on the Growth of Anaerobes of Gas Gangrene,"
V. N. Kosmodemianskiy, Z. Z. Rosenbaum, Chair of
Microbiol, Leningrad Med Inst Imeni Academician Pavlov

"Zhur Mikrobiol, Epidemiol i Immunobiol" No 10/11,
1941, pp 50-2

In dilutions of 1:500 to 1:20,000 tannin depresses
the growth of *Clostridium perfringens*. Solutions of
1:1,000-1:5,000 have a bactericidal effect also on
Cl. septicum and *Cl. sporogenes*, if their number is
not too large.

"Effect of Tannin on Anaerobic Infection: III,
Influence of Tannin on the Viability of Soil
Anaerobes," V. N. Kosmodemianskiy, G. N. Christovich,
Chair of Microbiol, Leningrad Med Inst Imeni Acad-
emician Pavlov

"Zhur Mikrobiol, Epidemiol i Immunobiol" No 10/11,
1941, pp 53-4

Mixing tannin solutions with dilute soil suspensions
slightly depresses the growth of anaerobes, but does
not affect aerobes.

"Effect of Tannin on Anaerobic Infection: IV, Anti-
septic Properties of Tannin on Pathogenic Soil
Anaerobes in Animal Experiment," V. N. Kosmodemian-
skiy, A. I. Tutayeva, Chair of Microbiol, Leningrad
Med Inst Imeni Academician Pavlov

"Zhur Mikrobiol, Epidemiol i Immunobiol" No 10/11,
1941, pp 54-7

Dried soil, implanted in 100-mg doses subcutaneously
into guinea pigs, caused 100% mortality from gangrene
or tetanus 3-4 days after implantation. A 5% solu-
tion of tannin, of which 0.1 cc was injected into the
infected part, arrested the development of anaerobic
infection in the wound, and the wounds of most in-
fected animals healed without any complications.
When tannin was applied later than 6 hours (after
soil implantations) it did not influence the course
of infection. Solutions of 1-2% in doses of 0.5 cc
had no effect.

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- 2 -

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